P23590.S05

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What is claimed is:

- 1. A reciprocating device comprising:
- a sealing container;
- a reciprocating rod positioned within said sealing container;
- a planar spring connected to the displacer rod; and
- a spring standoff provided on one end of the sealing container and coupled with said planar spring, said spring standoff having a window in a circumferential surface thereof.
 - 2. The reciprocating device according to claim 1, further comprising:
 - a cylinder inside said sealing container and filled with a gas;
 - a displacer housing provided at one end of said sealing container;
 - a displacer configured to divide an inside of said displacer housing;
- a piston configured to move together with said displacer, said piston and said displacer configured to at least one of compress and expand the gas;
 - a motor configured to drive said piston; and
 - a regenerator configured to at least one of store and radiate thermal energy;
 - wherein the reciprocating rod is positioned at an end of the displacer.
- 3. The reciprocating device according to claim 1, wherein said window comprises a plurality of windows positioned at generally the same interval.
- 4. The reciprocating device according to claim 1, wherein said window has one of a generally rectangular, round, polygonal and oval configuration.
- 5. A method for performing a centering process of a reciprocating rod of a reciprocating device, the method comprising:

inserting the reciprocating rod into a housing of the reciprocating device;

P23590.S05

coupling a planar spring with a spring standoff; inserting a jig through a window in a circumferential surface of the spring standoff; centering the reciprocating rod; and coupling the reciprocating rod with the planar spring.

6. A spring standoff for a reciprocating device, the standoff having a generally cylindrical body and comprising:

a window in a circumferential surface of said generally cylindrical body; and

a flange at each end of said generally cylindrical body, one said flange configured to be coupled to a planar spring of the reciprocating device, and the other said flange configured to be coupled to a sealing container of the reciprocating device;

wherein said generally cylindrical body is configured to generally concentrically accommodate at least a portion of a reciprocating rod coupled to the planar spring of the reciprocating device.

- 7. The spring standoff according to claim 6, wherein said window has one of a generally rectangular, round, polygonal and oval configuration.
- 8. The spring standoff according to claim 6, wherein said window comprises at least three windows.